

Title (en)

METHOD FOR INTERMITTENTLY CLEANING A FILTER, AND FILTER DEVICE FOR A METAL PRINTING DEVICE

Title (de)

VERFAHREN ZUR INTERMITTIERENDEN ABREINIGUNG EINES FILTERS SOWIE FILTEREINRICHTUNG FÜR EINE METALL-DRUCKEINRICHTUNG

Title (fr)

PROCÉDÉ DE NETTOYAGE INTERMITTENT D'UN FILTRE ET DISPOSITIF DE FILTRATION POUR UN DISPOSITIF D'IMPRESSION DE MÉTAL

Publication

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Application

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Abstract (en)

[origin: WO2021104927A1] The invention relates to a method for intermittently cleaning a filter (26) in a filter device (2), which filter device comprises a filter housing (18) and the filter (26) located therein. The filter housing (18) has a medium inlet (15) and a medium outlet (16) for a medium (7) to be filtered. Furthermore, during filter operation, the medium (7) flowing through the medium inlet (15) passes through the filter (26) and exits the filter device (2) via the medium outlet (16). The aim of the invention is to further improve a method of this type. To achieve this, according to the invention, in order to clean the filter (2), both the medium inlet (15) and the medium outlet (16) are closed and thereafter a negative pressure is produced in the filter housing (18) and a flushing medium (45), which impinges on the filter (26) in order to clear the filter, is sucked into the filter housing (18) by means of the negative pressure. The invention further relates to a method for operating a metal printing device (1) and to a filter device (2) for a metal printing device (1).

IPC 8 full level

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